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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharma (2012 to 2016) (Sem.-5)

**PHARMACOLOGY-I**

Subject Code : BPHM-503

M.Code : 70429

Time : 3 Hrs.

Max. Marks : 80

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of FIFTEEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains FOUR questions carrying TEN marks each and students have to attempt any THREE questions.

**SECTION-A****1. Write in brief the following :**

- a) Define Prodrug with the help of example.
- b) Give two factors modifying drug absorption.
- c) Differentiate between tolerance and dependence.
- d) What is the significance of bioassay?
- e) Give two clinical uses of norepinephrine.
- f) Differentiate between synergism and antagonism.
- g) Define Clearance and give its formula.
- h) What is the clinical use of disulfiram?
- i) Give two disadvantages of intravenous route.
- j) Why Rofecoxib was withdrawn from the market?

- k) Give two ideal properties of general anesthetics.
- l) Name two atypical antipsychotics.
- m) Why Dopamine is given in combination with carbidopa?
- n) Define Pharmacogenetics.
- o) Give two adverse effects of tricyclic antidepressants.

#### SECTION-B

- 2. Explain in detail the neurohumoral transmission in central nervous system.
- 3. Give the mechanism of action of :
  - a) Lidocaine
  - b) Tubocurarine
- 4. Explain the following drug interactions :
  - a) NSAIDs and high ceiling diuretics
  - b) MAO inhibitors and tyramine
- 5. Describe various factors modifying drug action.
- 6. Discuss general management of a poisoned patient.

#### SECTION-C

- 7. Classify antiparkinsonian drugs. Explain mechanism of action and adverse effects of each category.
- 8. Write a note on following :
  - a) Atypical antipsychotics
  - b) Newer antiepileptics
- 9. Define Bioassay. Describe different types of bioassays.
- 10. Explain the mechanism of action, pharmacological actions, adverse effects and clinical uses of morphine.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**